

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
14 April 2005 (14.04.2005)

PCT

(10) International Publication Number
WO 2005/032805 A1

(51) International Patent Classification⁷: **B29C 70/88**,
B32B 15/08, 3/08, 3/10, 15/14

(74) Agent: VAN WESTENBRUGGE, Andries et al.; Ned-
erlandsch Octrooibureau, Scheveningseweg 82, P.O. Box
29720, NL-2502 LS The Hague (NL).

(21) International Application Number:
PCT/NL2004/000700

(22) International Filing Date: 5 October 2004 (05.10.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1024479 7 October 2003 (07.10.2003) NL

(71) Applicant (for all designated States except US): STORK
FOKKER AESP B. V. [NL/NL]; Industrieweg 4, NL-3351
LB Papendrecht (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): RAJABALI, Fazel,
Abdoel [NL/NL]; Fideliohof 70, NL-2402 ET Alphen
A/D Rijn (NL). TER STEEG, Willem, Jan, Nicolaas
[NL/NL]; Friedrich Miethe weg 36, D-59159 Pulheim
(DE).

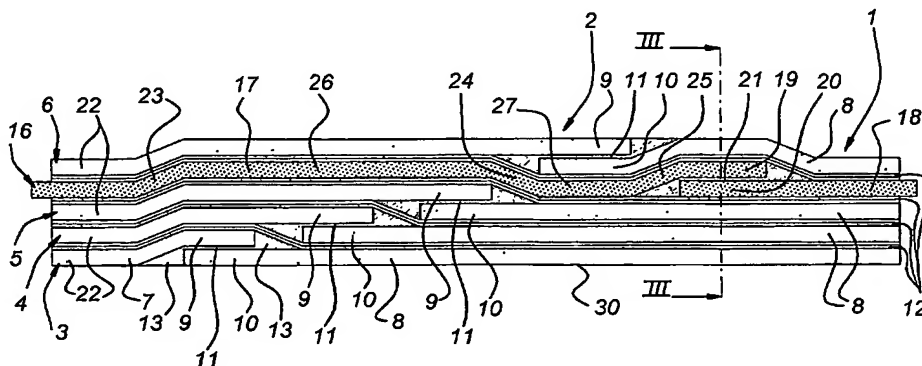
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: JOINING STRUCTURE IN A LAMINATE COMPRISING A LOCAL REINFORCEMENT



(57) Abstract: A joining structure in a laminate comprises metal layers as well as at least one adhesive layer which is enclosed by the metal layers, which metal layers each comprise separate metal-layer parts having a pair of overlapping edges, which pairs of edges are offset with respect to each other and together define a joining region. The laminate comprises a section which is of standard construction and a section which contains an additional, internal reinforcing metal layer, said reinforcing metal layer comprising two reinforcing metal-layers parts with a pair of overlapping edges, said pair of edges being located outside the joining region.

WO 2005/032805 A1



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.